SAMSUNG

Digital Photo Frame

SPF-85M

| Acrobat Reader | Regulatory | PDF manual | Frame Manager XP | Frame Manager Vista | Frame Manager PDF Manual |

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⋮ Safety Instructions

| **Safety Symbols** | **Power** | **Installation** | **Using and Cleaning** |

▶ **Safety Symbols**

※ Make sure to follow the directions below to prevent accidents and damage to the product.

⚠️ **Warning**   Failure to follow the accompanying directions may lead to serious injury or death.

⚠️ **Attention**   Failure to follow the accompanying directions may lead to minor personal injury or property damage.

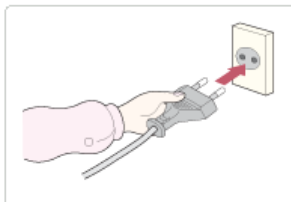| **Safety Symbols** | **Power** | **Installation** | **Using and Cleaning** |

▶ **Power**

※ The images here are for reference only, and are not applicable in all cases (or countries).
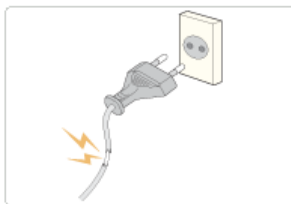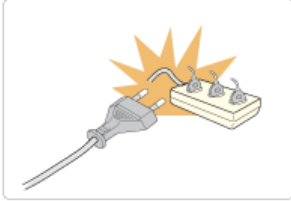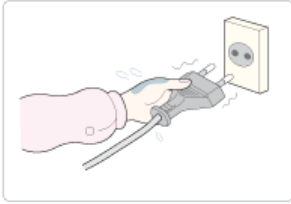
⚠️ **Warning**

▶ **Insert the power plug correctly until it is firmly in place.**

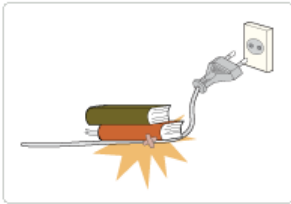 ● Failing to do so, may cause fire.

▶ **Do not use a damaged power plug, cord or outlet, as this may cause electric shock or fire.**
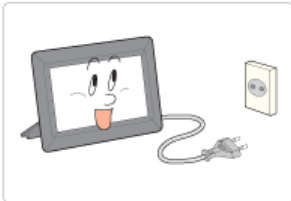
▶ **Do not touch the power plug with wet hands, as this may cause electric shock.**

▶ **Do not connect more than one appliance to a single outlet, as an overheated outlet may cause fire.**

▶ **Do not use force to pull the power cord. Don't place anything heavy on the power cord, as this may cause electric shock or fire.**

▶ **Make sure to turn the power off and disconnect the power plug from the outlet before moving the product. Make sure to disconnect the connection cables from other devices as well.**
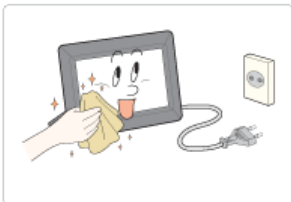
- Moving the product without disconnecting the power cord may damage it while moving, and may cause electric shock or fire.

⚠ **Attention**
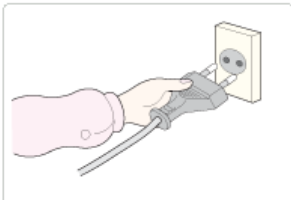
▶ **Hold and pull out the plug by its body when disconnecting it from the outlet, as pulling the plug out by the cord may cause it to be damaged.**

- Failing to do so, may cause fire, or the product may not turn on normally.

▶ **Ensure that the power plug is disconnected before cleaning the product.**

- Failing to do so, may cause electric shock or fire.

▶ **Keep the product away from places exposed to oil, smoke or moisture; do not install inside a vehicle.**

- This may cause a malfunction, electric shock or fire.
- In particular, avoid operating the monitor near water or outdoors where it could be exposed to snow or rain.
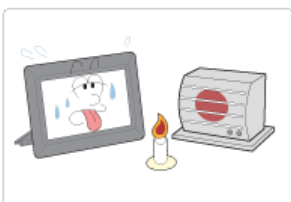
▶ **Do not install the product near any heating appliance.**

- There is a risk of fire.

▶ Installation

⚠ Warning

▸ **When installing the product on a cabinet or shelf, do not let the front end of the product project beyond its front edge.**

- Failing to do so, may cause the product to fall, resulting in a product malfunction or personal injury.

▸ **Do not place the power cord near a heater, as the power cord may melt, causing electric shock or fire.**

▸ **Do not install the product in a car or a location exposed to oil, smoke, moisture, water, or rainwater.**

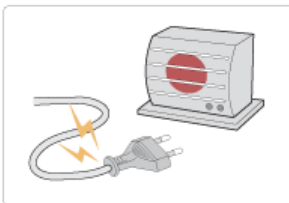- Any contact of these materials with the product may cause electric shock or fire.

▸ **Disconnect the power plug when there is thunder or lightning.**

- Failing to do so, may cause electric shock or fire.

⚠ Attention

▸ **Place the product down gently when installing it.**

- Failing to do so may cause product damage or personal injury.

▸ **Avoid dropping the product when moving, as this may cause product damage or personal injury.**

▸ **Do not install the product in a location easily reached by children.**

- As the product may fall and cause personal injury.

▶ **Using and Cleaning**

▶ **Do not insert any metal objects such as forks, wire, or gimlets, or flammable items such as paper or matches into the ports at the back of the product, as this may cause electric shock or fire.**

- If water or any foreign substance enters the product, make sure to turn the product off and disconnect the power plug from the outlet, and contact a **service center**.

▶ **Never disassemble, repair, or modify the product yourself.**

- If you need to repair your product, contact a **service center**. An attempt at repairing this product may cause electric shock or fire.

▶ **If you hear a strange sound, smell anything burning, or see smoke, disconnect the power plug immediately and contact a service center.**

- Failing to disconnect the power plug may cause electric shock or fire.

▶ **Always remove dust and water from the pins and connections of the power plug.**

- Failing to do so may cause electric shock or fire.

▶ **When cleaning the product, first disconnect the power plug and clean it with a soft, dry cloth.**

- Do not use any chemicals such as benzene, alcohol, thinners, mosquito repellant, aromatic, lubricant, detergent or wax.

▶ **When not using the product for a long time, make sure to disconnect the power plug.**

- Heavy accumulated dust may cause electric shock or fire.

▶ **If the product needs to be installed in a location that doesn't satisfy general conditions, make sure to contact one of our service engineers about the installation as the product may encounter serious quality problems due to its environment.**

- This refers to locations exposed to conditions such as heavy fine dust, chemicals, high or low temperature, moisture, or when the product needs to be used continually without a break over a long time.

▶ **If the product has been dropped or the product casing is damaged, turn it off and disconnect the power plug.**

- Using the product without verifying that it has not been damaged may cause electric shock or fire. Please contact a **service center**.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment) - Europe only

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household waste at the end of its working life. To prevent possible harm to the environment or damage to health from uncontrolled waste disposal, please separate this from other types of waste and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Digital Photo Frame

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⋮ Overview

| **Features** | **Components** | **Front** | **Back** | **Side** |

▶ Features

01 **Expansion of built-in memory using memory cards. Instant view of stored images.**

02 **Background music function.**

03 **Provides a Mini-Monitor function.**

04 **Stylish Design**
  ◆ A premium, stylish design that can be used as a decoration on a desk or table.

  ◆ A rotating stand that allows vertical/horizontal placement.

| **Features** | **Components** | **Front** | **Back** | **Side** |

Please check that all components are contained in the delivered package.
If anything is omitted, contact the local distributor where the product was purchased. For optional items, contact a **service center**.
Never use a power adapter other than the adapter provided with the product.

▶ Components

Digital Photo Frame
(The product color and shape may vary depending on the model.)

➡ **Manual**

Quick Start	Warranty (Not available in all locations)	User Manual

➡ Cables

Power cord	USB cable (A-mini B type)	Power Adapter

| **Features** | **Components** | **Front** | **Back** | **Side** |

▶ Front

※ The product color and shape may vary depending on the model.

①	**[MENU] Menu Button**	Displays the menu window at the bottom left corner of the screen.
②	**[▲] Up Button**	Used for moving up.
③	**[◀] Left Button**	Used for moving left.
④	**[▶] Right Button**	Used for moving right.
⑤	**[▼] Down Button**	Used for moving down.
⑥	**[⊡] Enter Button**	Used for selection.
⑦	**[↺] Back Button**	Return to the previous menu.
⑧	**[▣] Slideshow Button**	Play or pause the Slideshow. ※ When playing a slideshow by pressing the **[▣]** button, the photos in the location of the last played photo are played. If the photos in the location of the last played photo have been removed, they are automatically searched for and then played in a slideshow.

| **Features** | **Components** | **Front** | **Back** | **Side** |

◪ Back

※ The product color and shape may vary depending on the model.
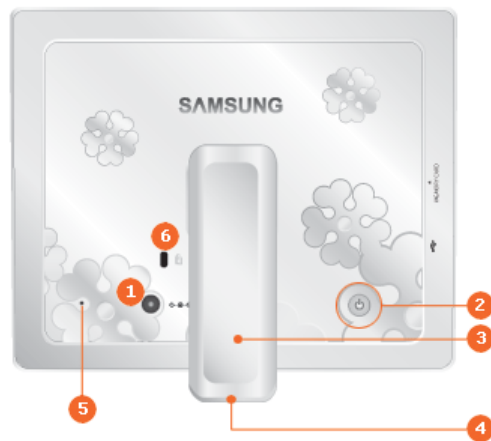
① ◈◈◈ **DC –In Jack**	Connect the power adapter to this jack. Connect the power cord to the power terminal of the power adapter.
② [⏻] **Power Button**	Turns the product on or off. Hold down the power button for about 2 seconds.
③ **Stand**	You can use the product in a vertical or horizontal direction by using the rotating stand.
④ **Sliding Prevention Holder**	Supports the product so that it stays firmly in place on slippery surfaces.
⑤ **Service terminal**	This is a terminal for servicing the product only. Do not operate it arbitrarily.
⑥ 🔒 **Kensington lock**	The Kensington lock is a device used to physically secure the system when using it in a public place. (The locking device has to be purchased separately.)

| **Features** | **Components** | **Front** | **Back** | **Side** |

◪ Side

※ The product color and shape may vary depending on the model.
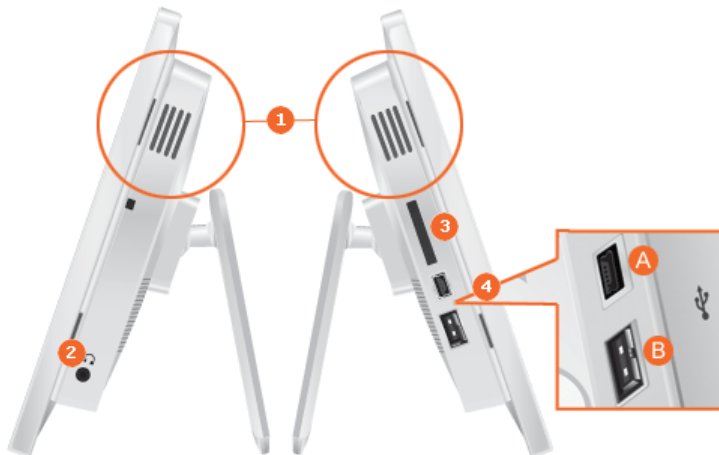
① **Speaker**	You can listen to sound without connecting an additional speaker.

② 🎧 **Headphone connection jack**	You can listen to sound by connecting headphones or earphones to the product.
③ **MEMORY CARD**	Allows you to insert an optional memory card. (Only applicable for SD/MS card)
④ ⇔	Connect a PC or an external device using a USB cable.

Ⓐ **Up stream terminal**   Connect your Digital Photo Frame to a PC's USB terminal with a USB cable.

※ Make sure to use the USB cable (A-mini B type) provided with the product when connecting your digital photo frame to a PC through the up stream terminal.

Ⓑ **Down stream terminal**   Connect your Digital Photo Frame to a USB-supported storage device.

Digital Photo Frame

Connecting

| **Power** | **USB** | **Memory Card** |

▶ Connecting the Power
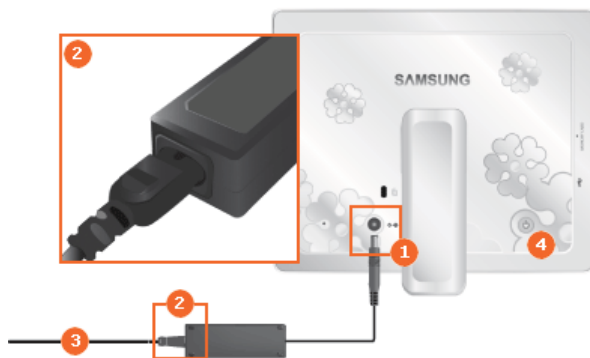
① Connect the adapter cable to the power terminal on the back of the product.

② Connect the power cord to the power adapter.

③ Plug the power cord for the product into a nearby outlet.

④ Press the [⏻] button to turn on the power.

| **Power** | **USB** | **Memory Card** |

▶ Connecting via USB
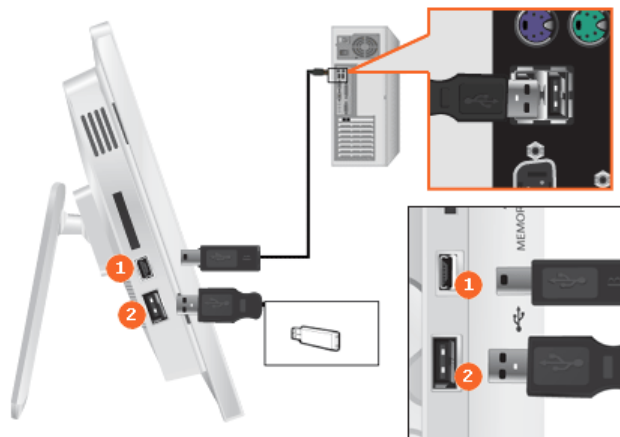
① **Up Stream Terminal**

Used to connect your digital photo frame to a PC.

※ When connecting your digital photo frame to a PC through the up stream terminal, make sure to use the USB cable provided with the product.

② **Down Stream Terminal**

Used to connect an external USB-supporting device to your digital photo frame.

※ Some USB devices may not support Digital Photo Frame.

※ This product does not support USB card readers. Only USB storage is supported.

※ The maximum recommended capacity for a USB storage device is 32GB.

※ The external devices connected to your Digital Photo Frame are not recognized by your PC.

※ When connecting an external device to the down stream terminal, use the USB cable provided with the external device. (For more information on external devices and their cables, contact a relevant service center.)

※ Samsung carries no liability for external device malfunctions caused by using any cable except the standard cables specified for each device.

※ Some external products provide a cable that does not meet USB standards. Hence, they may cause a malfunction.

※ If an external storage device does not work normally when connected to your digital photo frame, try to connect it to your PC. If it still does not work normally when connected to your PC, contact a service center for that external device or your PC.
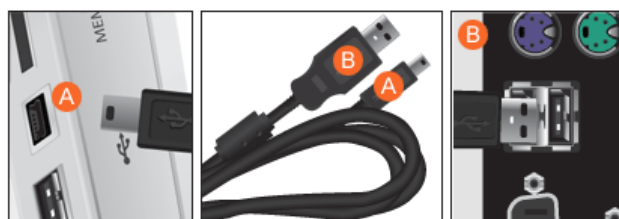
Ⓐ Connect to the upstream jack of your digital photo frame.

Ⓑ Connect the USB terminal of your PC.

| **Power** | **USB** | **Memory Card** |

▶ Connecting a Memory Card

① MEMORY CARD Slide the card in the direction marked on the top of the card.

※ Removing the memory card while playing MP3s, movies, or photos, may cause the product to operate abnormally. In this case, turn the product off and on.

➡ Recommended capacity for different memory card types

◆ SD / MicroSD / MiniSD ≤ 4GB, SDHC / MicroSDHC ≤ 32GB

◆ MS ≤ 128MB, MS Pro ≤ 32GB

Digital Photo Frame

Using

※ If no button is pressed for ten (10) minutes, Slideshow or Clock mode is activated. However, if a music file is being played, Clock mode is activated and the filename of that music file is displayed. You can switch to Clock mode even when the movie is paused. In some cases, you can switch to the Movie List screen.

| User Guide | Photo | Music | Movie | Clock & Alarm | Settings |

▶ User Guide

➡ Buttons

Menu	Description
MENU	Enters or exits a menu.
▲, ▼, ◀, ▶	Moves around the items and adjusts the value.
↵	Selects a function.
↺	Returns to the previous screen. ※ Hold down this button for two (2) seconds to return to the Main screen.
▣	Play or pause a Slideshow. When playing a slideshow by pressing the [▣] button, the photos in the location of the last played photo are played. If the photos in the location of the last played photo have been removed, they are automatically searched for and then played in a slideshow.

➡ Screen Status Indications

Display	Description
🔌	Displayed when a USB device is connected.
💳	Displayed when an SD/MS memory card is connected.

| User Guide | Photo | Music | Movie | Clock & Alarm | Settings |

▶ Photos

➡ When selecting a folder

Menu	Description
Open	Opens the selected folder.
Copy	Copies the selected folder.
Delete	Deletes the selected folder.

▣ The menu displayed when selecting a thumbnail.

Menu	Sub-Menu Description
Start Slideshow	Play or pause a Slideshow.
Copy	Copies the selected file to a different storage device. (Activated when a storage device is connected.)
Copy All Files	Copies all files to a different storage device. (Activated when a storage device is connected.)
Delete	Deletes the selected file.
Delete All Files	Deletes all files.
Set as Background	Sets the selected image as the background of the main screen. At this time the mode for the background is automatically changed to Custom mode.

※ When copying a photo from an external memory storage device (SD/MS, USB memory) to the Frame Memory, if [Settings]-[Options]-[Frame Memory Copy] is set to [Resized], the size (screen quality) of the photo is automatically reduced before saving it, to fit it to the screen of your digital photo frame, and the EXIF (camera related information) saved in the photo is removed. Therefore, make sure to only use the photos saved on the Frame Memory with the digital photo frame.

※ It may take a long time if a lot of files are copied at the same time.

▣ Slideshow Menu

※ If you press the Menu button, the menu of the selected item is displayed on the screen.

※ This product can only support up to 4,000 pictures. If there are more than 4,000 pictures, slideshow will not be played for the remaining pictures.

Menu	Sub-Menu	Detailed Menu
		Description
Stop Slideshow	Pauses or resumes the slideshow.	
Slideshow Settings	Transition	◆ No Effect, Fade, Blind, Cross Comb, Checker, Slide, Wipe, Silk, Wheel, Circle, Box In/Out, Diamond, Plus, UnCover, Push, Stairs, Random
	Selects a play effect.	
	Speed	◆ Fast, Normal, Slow
	Selects a play speed.	
	Mode	◆ All photos, Photo in Folder, Shuffle all photos, Shuffle photo in Folder, Repeat one photo
	Selects the play mode.	
	Display Clock	◆ On, Off
	Selects whether to play a slideshow and show the current time at the same time.	
Brightness	◆ 0~100	
	You can adjust the brightness.	
Rotate	You can rotate the monitor screen to 90°, 180° and 270°.	
Aspect Ratio	◆ Original Fit, Auto Fit, Fit to Width, Fit to Screen	
	You can select how to adjust the size of the photos when displaying them on the screen.	
	Original Fit - When the photo size is larger than the screen size, it is displayed to fit the screen size.	
	Auto Fit - Photos are fit to the screen size. A horizontal or vertical part of a photo may be cut but there is no distortion.	
	Fit to Width - Photos are fit to the screen width. A horizontal or vertical part of a photo may be cut but there is no distortion.	
	Fit to Screen - Photos are fit to a resolution of 800*600. (The photo image may be distorted)	
Delete	Deletes a photo being displayed in the slideshow.	
Set as Background	Sets the currently selected image as the background of the main screen.	
Background Music	◆ On, Off, Music Setting	
	Select [On] of [Background Music].	
	Then select [Music Setting] of [Background Music] by pressing the MENU button and select a music file stored on the Frame Memory or a connected external memory device.	
	When the product is used for the first time, the built-in music files are used as the background music.	
	When the next slideshow is performed using the [Slideshow] button, the last played background music file is played as the background music.	
	The location priority of the music files to be played for the background music is: "Location of the last played background music file → [Frame Memory] → [USB] → [SD/MS]" .	

◘ Direct Functions

Menu	Description
MENU	Opens the on-screen menu and exits from the menu.
▶	Plays the next file.
◀	Plays the previous.
▲ ▼	Adjusts the volume.
⏏⏏	Play or pause a Slideshow.

| | **User Guide** | | **Photo** | | **Music** | | **Movie** | | **Clock & Alarm** | | **Settings** | |

▶ Music

◘ The menu displayed when selecting a list.

※ If you press the Menu button, the menu of the selected item is displayed on the screen.

Menu	Sub-Menu Description
Play Music	Plays a file.
Play Mode	◆ All musics, Music in Folder, Shuffle all musics, Shuffle music in Folder, Repeat one music Selects the play mode.
Copy	Copies the selected file to a different storage device. (Activated when a storage device is connected.)
Copy All Files	Copies all files to a different storage device. (Activated when a storage device is connected.)
Delete	Deletes the selected file.
Delete All Files	Deletes all files.

◘ The menu displayed while playing music.

※ If you press the Menu button, the menu of the selected item is displayed on the screen.

| Menu | Sub-Menu |
	Description
Play Mode	♦ All musics, Music in Folder, Shuffle all musics, Shuffle music in Folder, Repeat one music
	Selects the play mode.

Direct Functions

Menu	Description
MENU	Opens the on-screen menu and exits from the menu.
▶	Plays the next file. If you hold down the button for a long time, the Fast Forward function operates.
◀	Plays the previous. If you hold down the button for a long time, the Rewind function operates.
▲ ▼	Adjusts the volume.
⏏	Plays or Pauses a file.
▣	Start Slideshow.

| **User Guide** | | **Photo** | | **Music** | | **Movie** | | **Clock & Alarm** | | **Settings** | |

Movies

The menu displayed when selecting a list.

If you press the Menu button, the menu of the selected item is displayed on the screen.

Menu	Sub-Menu Description
Play Movie	Plays a file.
Play Mode	◆ All movies, Movie in Folder, Shuffle all movies, Shuffle movie in Folder, Repeat one movie Selects the play mode.
Copy	Copies the selected file to a different storage device. (Activated when a storage device is connected.)
Copy All Files	Copies all files to a different storage device. (Activated when a storage device is connected.)
Delete	Deletes the selected file.
Delete All Files	Deletes all files.

◪ **The menu displayed while playing a movie.**
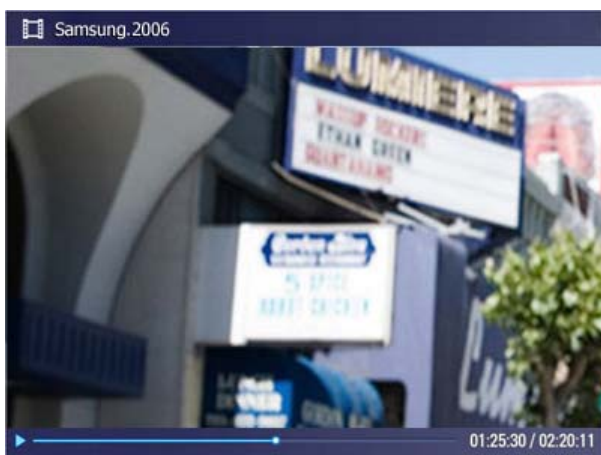
※ If you press the Menu button, the menu of the selected item is displayed on the screen.

Menu	Sub-Menu Description
Play Mode	◆ All movies, Movie in Folder, Shuffle all movies, Shuffle movie in Folder, Repeat one movie Selects the play mode.
Brightness	◆ 0~100 You can adjust the brightness.

◪ **Direct Function**

Menu	Description
MENU	Opens the on-screen menu and exits from the menu.
▶	Plays the next file. If you hold down the button for a long time, the Fast Forward function operates.
◀	Plays the previous. If you hold down the button for a long time, the Rewind function operates.
▲ ▼	Adjusts the volume.
◙	Plays or Pauses a file.
▣	Start Slideshow.

▶ Clock & Alarm

Menu	Sub-Menu	Detailed Menu
		Description
Date and Time	◆ Month, Day, Year, Hour, Minute, am/pm (when the Time Format is set to 12 Hours). Month, Day, Year, Hour, Minute (when the Time Format is set to 24 Hours).	
	Sets the date and time.	
Time Zone	You can select a time zone.	
Daylight Saving Time	◆ Off, On	
	You can enable or disable the daylight saving time.	
Time Format	◆ 12 Hours, 24 Hours	
	For the Time Format, you can select 12 Hours or 24 Hours. If you select 24 Hours, am/pm is not displayed.	
Date Format	◆ YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY	
	You can select the format in which the date is displayed.	
Clock Type	◆ Analog, Digital, Clock & Calendar	
	You can select the clock type.	
Alarm	Activation	◆ Yes, No
	Set time	◆ Manual, After 10min, After 20min, After 30min.
	Hour	◆ 1~12
	Minute	◆ 00~59
	am/pm	◆ am, pm
	Repeat	◆ Once, Sat ~Sun, Mon~ Sat, Mon~ Fri, Everyday
	Sound	◆ Sound 1, Sound 2, Sound 3
	Volume	◆ 0~100
	You can set an alarm.	

▶ Settings

➡ Settings

Menu	Sub-Menu	Detailed Menu
		Description
Options	Language	◆ English, Deutsch, Español, Français, Italiano, Nederlands, Polski, Русский, Português, Svenska, Türkçe, 简体中文, 日本語,한국어
	You can select the language for the product.	
	Brightness	◆ 0~100
	Adjusts the brightness of the screen.	
	Auto Rotation	◆ Off, On
	Off : If you set the frame on its edge during a SlideShow, even if the sensor detects the change, the picture does not rotate accordingly. On : If you set the frame on its edge, the sensor detects the change and rotates the picture automatically.	
	Button Sound	◆ Off, Low, Medium, High
	You can turn the button operating sound heard when operating the product on or off.	
	Volume	◆ 0~100
	Adjusts the volume.	
	Frame Memory Copy	◆ Original Size, Resized
	When copying a photo from an external memory storage device (SD/MS, USB memory) to the Frame Memory, if [Settings]-[Options]-[Frame Memory Copy] is set to [Resized], the size (screen quality) of the photo is automatically reduced before saving it, so that it can be fit to the screen of your digital photo frame, and the EXIF (camera related information) saved in the photo is removed. Therefore, make sure to only use the photos saved on the Frame Memory with the digital photo frame.	
Preferences	Starting Mode	◆ Home, Last Mode, Slideshow
	You can select the first screen to be displayed when the power is turned on.	
	Screen Saver	◆ Slideshow, Clock
	You can select the screensaver type. If no button is pressed for ten (10) minutes, the screensaver is activated.	
	OSD Color Theme	◆ Violet Style, Blue Style, Green Style, Orange Style
	You can select a color theme for the menu background screen. The default color theme is Blue Style.	
	Home Background	◆ Default, Custom
	You can set the background of the main menu screen.	
	Auto Picture On/Off	◆ Activation, Hour, Minute, am/pm, Repeat
	When the [Off Time] is reached, other operations are stopped and the screen is turned off. When the [On Time] is reached, the screen is turned on and the previous operating status persists. If the screen is turned off as the time has reached the [Off Time], press any button except the Power button to display the screen again.	

※ If the product is being used as a Mini-Monitor or a Mass Storage device connected to your PC via a USB cable, the screen will not be turned off even if the Off Time is reached.

Update/Reset	Firmware Update	You can update the product by using a USB memory stick or memory card (SD/MS). For the latest firmware file, visit **www.samsung.com.**
	Reset Settings	◆ Yes, No
	Resets user-customized menu options to default (Time setting and screen language setting excluded)	
	Product Information	◆ Model, Firmware Version, Copyright
	You can check the product information.	

◼ I want to update firmware.

01 Preparations

- 01 Digital Photo Frame
- 02 Firmware update file.
- 03 USB memory card or external memory devices(SD/MS)
- ※ Please visit **www.samsung.com** for the latest firmware update.

02 Connect USB memory card to PC

- 01 If you are ready, connect the USB memory card to your PC.
- 02 Copy the firmware update file you downloaded to the USB memory card.
- ※ (Make sure to copy the firmware update file to the root directory.)

03 Connect USB Memory Card to Digital Photo Frame

- 01 Remove the USB memory card from your PC, and connect it to your Digital Photo Frame.
- ※ If your Digital Photo Frame is off, turn it on.

04 Updating

- 01 Select [Firmware Update] on the [Settings]-[Update/Reset] page.

Firmware Update		→	Firmware Update	
Choose a device for Firmware Update.			The system has no up-to-date firmware on it.	
SD/MS	USB		Update Now	Later

- 02 After boot-up, turn your Digital Photo Frame off, remove the USB memory card, and turn your Digital Photo Frame on again, for maximum safety.
- ※ Do not remove the USB, memory card during the update operation.
  Do not press any key during the update operation.
  Do not insert any other card during the update operation.
  Do not turn your Digital Photo Frame off during the update operation.
  You can identify whether the update operation has finished successfully or not by checking the firmware version of your Digital Photo Frame is changed to the version of the firmware update.

Digital Photo Frame

SAMSUNG

Digital Photo Frame ○○○○○○○○○○
SPF-85M

Safety Instructions   Overview   Connecting   Using   Applications   Specifications   Troubleshooting

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Applications

The Digital Photo Frame not only allows you to appreciate photos but also provides an additional Mini-Monitor function. The Mini-Monitor is a function for using the Digital Photo Frame as an auxiliary monitor. Its usage is simple as the Digital Photo Frame connects to your PC via a USB cable. This function allows you to work more efficiently at your PC by using an additional monitor. To use your digital photo frame as a Mini-Monitor, first install the Frame Manager program. (However, please note that you can use only one digital photo frame as a Mini-Monitor.)

▶ **Installing Frame Manager guide**

▶ **Frame Manager User's Manual**

> Using your digital photo frame as a Mini-Monitor.
> Using your digital photo frame as Mass Storage.
> Changing the current mode to another mode
> Adjusting the brightness
> Updating the firmware

※ **System Requirements**

- **OS** : Windows XP SP2, Vista (32bit)
- **System Processor Speed** : 1.5 GHz
- **USB** : USB 2.0 Host Controller
- **RAM** : 256 MB or above

※
  Caution

1. When using Windows XP, Service Pack 2 must be installed.
   It might not operate with any operating systems other than Windows XP SP2. We are not liable for problems that may occur when installing it on an operating system other than Windows XP SP2.
2. We recommend a CPU speed of 2.4 GHz or higher.
   Your digital photo frame might not operate normally if the performance specifications of your PC are lower than the recommendations.
3. Make sure to install it correctly as directed in the Installation Guide.
4. Do not use your Mini-Monitor as a primary monitor.
   We are not liable for any problems that may occur if you do not follow the directions. If it is used as a primary monitor, the screen may be blank.
5. Make sure to use the provided USB cable.
6. When using your digital photo frame as a Mini-Monitor, all buttons except for the Power button will not operate.
7. Move the programs displayed and used on the Mini-Monitor to the primary monitor after you have finished using it.
8. The Mini-Monitor may not operate with some video cards. In this case, set the 'Hardware acceleration' value to 'None'.
   ※ To set Hardware acceleration to None: Right-click on the Windows Desktop and select Properties from the displayed menu. The Display Properties window appears. Click Settings > Advanced > Troubleshoot tab. Move the Hardware acceleration slide to None.
9. You cannot use the Aero effect of Windows Vista while using the Mini-Monitor.
10. When using Windows Vista, some movies cannot be played using the Mini-Monitor.

11. If the video card's driver is updated while Frame Manager is installed, the Mini-Monitor function may not operate properly. In this case, remove Frame Manager and install it again.

12. If the rotation function of Frame Manager is used, the current location setting of Mini-Monitor may be changed. Even if the rotation function is used, the screen will not be shown to be rotating in the [Display Properties] window.

※ **Limitation and Recommendation**

- Limitation : Hardware graphics acceleration such as DirectX or OpenGL is not supported on the Mini-MonitorDisplay as it would require the emulation of a graphics processor by your standard CPU which would not be favourable. Media players which are using DirectX will not work properly on Mini-Monitor Display.
  > Example: GOM player,VLC Player

- Recommedation : Do not use/run directX or openGL application on Mini-Monitor display.

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Specifications

| Specifications | Supported Files |

▶ Specifications

Items		Specifications
Model Name		SPF-85M
Panel	Type	8 "(20 cm)TFT
	Resolution	800 x 600
	Contrast Ratio	500 : 1
	Interface	Digital 6 bit
Supported Formats	Photo	JPEG Max Image Resolution 3200x2400(8Mb) (Progressive,CMYK JPEG is not supported.)
	Movie	MPEG4 : Advanced Simple Profile(ASP), Audio(MP3), 4Mbps WMV : 720x480, Audio(WMA), 2.5Mbps
	Music	MP3 : 8~48KHz, 8~320Kbps WMA : 8~48KHz, 8~320Kbps
Built-in Memory		64 MB
USB		USB 2.0 (Upstream (host) x 1, downstream (slave) x 1) (USB = 32GB)
Media (Memory Card)		2 in 1 (SD/MicroSD/MiniSD=4GB, SDHC/MicroSDHC=32GB, MS=128MB, MS Pro=32GB)
Power	Rating	External Power Adapter (12 V)
	Consumption	Normal 10W Off mode(Power Switch Off) under 1W
Sound		1W + 1W(Stereo), headphone
Dimensions (WxHxD)		228 x 45,7 x 187,5 mm / 9.0 x 1.8 x 7.4 inch (Without Stand) 228 x 194,5 x 62 mm / 9.0 x 7.7 x 2.4 inch (With Stand)

Weight	1.7 lbs / 787 g (Without Stand)
	1.8 lbs / 827 g (With Stand)

※ **The product design may differ according to the model, and specifications are subject to change without prior notice for product performance enhancement.**

Class B Equipment (Information Communication equipment for residential use)
This product complies with the Electromagnetic Compatibility Directives for residential Use and can be used in all areas including common residential areas. (Class B equipment radiates less electromagnetic influences than class A equipment.)

| | **Specifications** | | **Supported Files** | |

▶ **Supported Files**

◆ The Digital Photo Frame uses these modules:
WinCE 5.0
For more information, visit the following web sites:
RMI Alchemy Developer Support Site(**http://support.rmicorp.com/RMI/support.nsf**)

Digital Photo Frame

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⦂ Troubleshooting

| **Troubleshooting** | **Terminology** | **Service Centers** |

▶ Troubleshooting

This section lists various problems and solutions encountered by users while using the digital photo frame. When encountering a problem, first check the list below and follow the suggested action if one matches your problem. If the problem still persists, contact or visit the nearest **service center**.

Symptoms	Causes and Actions
The power does not turn on.	◆ Check the connections for the adapter cable and the power terminal of the product.
It takes time until an image is displayed after the power is turned on. It takes time to move to the next photo.	◆ If the resolution is high or the file size is large, the photo may be displayed slowly on the screen.
I connected an external device but it is not operating.	◆ Check the cable connections connecting the product and the external device. ◆ The USB device must support Windows CE 5.0. Check whether your USB device supports Windows CE 5.0.
There is still space on the Frame Memory but I cannot copy any more photos.	◆ Create a folder in the Frame Memory and copy your photos into the folder.
The screen color is too dim or dark.	◆ Adjust the brightness in the Settings.
No slideshow is played automatically.	◆ Set [Starting Mode] of [Settings-Preference] to [Slideshow].
When playing a movie, the screen is displayed but there is no sound.	◆ The screen is not displayed because the video codec of the file is not supported. Supported codecs are MPEG4 and WMV9.
The movie is played with the sound only. A blank screen is displayed.	◆ Change the volume. Check whether the file contains sound information.
Auto On and Auto Off do not operate.	◆ If Auto On and Auto Off are set to the same time, they will not operate. Check the time settings.
The [Button Sound] is set to On but there is no button operating sound.	◆ The button operating sound will not be heard while a [Background Music, Music, or Movie file] is playing.
The FrameManager icon is not displayed.	◆ Check whether the FrameManager program is installed. ◆ Select Start- Programs - Samsung - FrameManager to restart FrameManager. ◆ Reboot your computer.

I pressed a button, but it does not operate.	◆ Check whether the button lock function is activated. ◆ If you hold down the MENU button for more than five (5) seconds, the button lock function is activated. If you press a button it will not operate. ◆ To clear the button lock function, hold down MENU button for more than five (5) seconds again.

▶ **Terminology**

Terms	Description
MPEG4 (Motion Picture Expert Group4)	◆ MPEG4 is a movie compression technology for video communications which enables implementing bi-directional multimedia. It was developed to make it possible to transmit movies over low speed lines on the Internet or for mobile communications. It is used widely on PCs, TVs and cell phones. A movie file formatted in the MPEG4 format is called an MPG or MPEG file.
WMV9 (Window Media Video9)	◆ A video codec in the MPEG4 format developed by Microsoft
MP3 (MPEG Audio Layer-3)	◆ MP3 is a high quality audio compression technology. It provides a 50 times higher compression than CD. Because it provides high quality and a low size for its compression ratio, it is commonly used on the Internet and for FM radio transmissions, etc. An audio file formatted in the MP3 format is called an MP3 file.
JPEG (Joint Photographic Coding Expert Group)	◆ JPEG is an image compression technology. It provides the smallest loss of all image compression technologies. It is used widely to transmit multimedia files on the Internet and for other uses. An image file formatted in the JPEG format is called a JPEG or JPG file. Usually, a JPEG file is created by taking a picture with a digital camera, by drawing on a computer, or by a graphic package and then by compressing the graphics image into the JPEG format.
SD Card (Secure Digital Card)	◆ An SD card is a Flash memory card the size of a postage stamp. It provides high stability and high capacity. It is widely used in various digital products such as PDAs, digital cameras, MP3 players, cell phones, and notebook PCs. Its appearance is similar to that of MMC, but the number of pins and their thickness is different. It also has a password setting function for data security.
USB Cable 1) A-mini B type	◆ Use the up stream terminal when connecting to a PC. This product supports USB 2.0. An A-mini B type cable which is used to connect your digital photo frame to a PC is provided with the product. The A type is the USB connector used to connect to a PC. The B type is the USB connector used to connect to an external device. You can connect your digital photo frame to a PC using an A-mini B type USB cable.
USB Cable 2) Cable for Connecting Other Devices	◆ Use this type of cable when using the down stream terminal. This product supports USB 2.0. When connecting an external device to the down stream terminal, use the USB cable provided with the external device.

▶ **Service Centers**

If you need a product service, contact or visit a Samsung **service center**.
For services for network connection and the Server.

Services	Contacts

Samsung Electronics web site   http://www.samsung.com

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

North America		
U.S.A	1-800-SAMSUNG (7267864)	http://www.samsung.com/us
CANADA	1-800-SAMSUNG (7267864)	http://www.samsung.com/ca
MEXICO	01-800-SAMSUNG (7267864)	http://www.samsung.com/mx

Latin America		
ARGENTINE	0800-333-3733	http://www.samsung.com/ar
BRAZIL	0800-124-421 4004-0000	http://www.samsung.com
CHILE	800-SAMSUNG(726-7864)	http://www.samsung.com/cl
COLOMBIA	01-8000112112	http://www.samsung.com/co
COSTA RICA	0-800-507-7267	http://www.samsung.com/latin
ECUADOR	1-800-10-7267	http://www.samsung.com/latin
EL SALVADOR	800-6225	http://www.samsung.com/latin
GUATEMALA	1-800-299-0013	http://www.samsung.com/latin
HONDURAS	800-7919267	http://www.samsung.com/latin
JAMAICA	1-800-234-7267	http://www.samsung.com/latin
NICARAGUA	00-1800-5077267	http://www.samsung.com/latin
PANAMA	800-7267	http://www.samsung.com/latin
PUERTO RICO	1-800-682-3180	http://www.samsung.com/latin
REP. DOMINICA	1-800-751-2676	http://www.samsung.com/latin
TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	http://www.samsung.com/latin
VENEZUELA	0-800-100-5303	http://www.samsung.com/latin

Europe		
AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	http://www.samsung.com/at
BELGIUM	02 201 2418	http://www.samsung.com/be (Dutch) http://www.samsung.com/be_fr (French)
CZECH REPUBLIC	800 - SAMSUNG (800-726786)	http://www.samsung.com/cz

	Distributor pro Českou republiku: Samsung Zrt., česká organizační složka, Oasis Florenc, Sokolovská394/17, 180 00, Praha 8	
DENMARK	8 - SAMSUNG (7267864)	**http://www.samsung.com/dk**
EIRE	0818 717 100	**http://www.samsung.com/ie**
FINLAND	30 - 6227 515	**http://www.samsung.com/fi**
FRANCE	01 4863 0000	**http://www.samsung.com/fr**
GERMANY	01805 - SAMSUNG (7267864, € 0.14/Min)	**http://www.samsung.de**
HUNGARY	06-80-SAMSUNG(726-7864)	**http://www.samsung.com/hu**
ITALIA	800-SAMSUNG(726-7864)	**http://www.samsung.com/it**
LUXEMBURG	02 261 03 710	**http://www.samsung.com/lu**
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	**http://www.samsung.com/nl**
NORWAY	3 - SAMSUNG (7267864)	**http://www.samsung.com/no**
POLAND	0 801 1SAMSUNG(172678) 022 - 607 - 93 - 33	**http://www.samsung.com/pl**
PORTUGAL	808 20 - SAMSUNG (7267864)	**http://www.samsung.com/pt**
SLOVAKIA	0800-SAMSUNG (7267864)	**http://www.samsung.com/sk**
SPAIN	902 - 1 - SAMSUNG (902 172 678)	**http://www.samsung.com/es**
SWEDEN	0771 726 7864 (SAMSUNG)	**http://www.samsung.com/se**
SWITZERLAND	0848 - SAMSUNG(7267864, CHF 0.08/min)	**http://www.samsung.com/ch**
U.K	0845 SAMSUNG (7267864)	**http://www.samsung.com/uk**

CIS		
BELARUS	810-800-500-55-500	
ESTONIA	800-7267	**http://www.samsung.com/ee**
LATVIA	8000-7267	**http://www.samsung.com/lv**
LITHUANIA	8-800-77777	**http://www.samsung.com/lt**
MOLDOVA	00-800-500-55-500	
KAZAKHSTAN	8-10-800-500-55-500	**http://www.samsung.com/kz_ru**
KYRGYZSTAN	00-800-500-55-500	
RUSSIA	8-800-555-55-55	**http://www.samsung.ru**
TADJIKISTAN	8-10-800-500-55-500	
UKRAINE	8-800-502-0000	**http://www.samsung.com/ua** **http://www.samsung.ua_ru**
UZBEKISTAN	8-10-800-500-55-500	**http://www.samsung.com/kz_ru**

Asia Pacific		
AUSTRALIA	1300 362 603	**http://www.samsung.com/au**
CHINA	400-810-5858	**http://www.samsung.com/cn**

	010-6475 1880	
HONG KONG	3698-4698	http://www.samsung.com/hk http://www.samsung.com/hk_en/
INDIA	3030 8282 1800 110011 1-800-3000-8282	http://www.samsung.com/in
INDONESIA	0800-112-8888	http://www.samsung.com/id
JAPAN	0120-327-527	http://www.samsung.com/jp
MALAYSIA	1800-88-9999	http://www.samsung.com/my
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	http://www.samsung.com/nz
PHILIPPINES	1-800-10-SAMSUNG(726-7864) 1-800-3-SAMSUNG(726-7864) 1-800-8-SAMSUNG(726-7864) 02-5805777	http://www.samsung.com/ph
SINGAPORE	1800-SAMSUNG(726-7864)	http://www.samsung.com/sg
THAILAND	1800-29-3232 02-689-3232	http://www.samsung.com/th
TAIWAN	0800-329-999	http://www.samsung.com/tw
VIETNAM	1 800 588 889	http://www.samsung.com/vn

Middle East & Africa		
SOUTH AFRICA	0860-SAMSUNG(726-7864)	http://www.samsung.com/za
TURKEY	444 77 11	http://www.samsung.com/tr
U.A.E	800-SAMSUNG (726-7864) 8000-4726	http://www.samsung.com/ae

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